

Coaxial Cable Connector Installable with Common Tools

Abstract

A coaxial connector may be configured with multiple interleaved concentric threads that reduce connector assembly threading requirements. A cable sheath stripping feature may be incorporated into the connector, eliminating the need for a separate sheath stripping tool. Also, over-tightening protection assemblies may be incorporated in the coupling and or rear clamp nuts. The over-tightening protection assemblies utilize first and second interlock surfaces which co-operate to couple the connector body with a rotatable inner coupling sleeve until a predetermined level of torque is applied whereupon complementary protrusions formed on the rings deflect and slip past each other, protecting the connector and or cable from damage due to application of excessive torque and eliminating the need for torque wrenches during connector installation. The first and second interlock surfaces may be formed directly in the coupling nut and inner coupling sleeve or may be separate finger and ramp rings coupled to each.